

FOR UTILITY/DESIGN  
CIP/PCT NATIONAL/PLA  
ORIGINAL/SUBSTITUTE/SUPPLEMENTAL  
DECLARATIONS

RULE 63 (37 C.F.R. 1.63)  
DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PM & S  
FORM

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the INVENTION ENTITLED OPTICAL VEND-SENSING SYSTEM FOR CONTROL OF VENDING MACHINE

the specification of which (CHECK applicable BOX(ES) )  
X ☒ is attached hereto.  
BOX(ES) ☐ was filed on \_\_\_\_\_ as U.S. Application No. \_\_\_\_\_ /  
☐ was filed as PCT International Application No. PCT/\_\_\_\_\_/ on \_\_\_\_\_  
and (if applicable to U.S. or PCT application) was amended on \_\_\_\_\_  
I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate filed by me or my assignee disclosing the subject matter claimed in this application and having a filing date (1) before that of the application on which priority is claimed, or (2) if no priority claimed, before the filing date of this application:

PRIOR FOREIGN APPLICATION(S)	Date first Laid-	Date Patented	Priority Claimed
Number	open or Published	or Granted	Yes No

I hereby claim domestic priority benefit under 35 U.S.C. 119/120/365 of the indicated United States applications listed below and PCT international applications listed above or below and, if this is a continuation-in-part (CIP) application, insofar as the subject matter disclosed and claimed in this application is in addition to that disclosed in such prior applications, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of each such prior application and the national or PCT international filing date of this application:

PRIOR U.S. PROVISIONAL, NONPROVISIONAL AND/OR PCT APPLICATION(S)	Status	Priority Claimed
Application No. (series code/serial no.)	pending, abandoned, patented	Yes No
60/083,522	pending	X

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

And I hereby appoint Pillsbury Madison & Sutro LLP, Intellectual Property Group, 1100 New York Avenue, N.W., Ninth Floor, East Tower, Washington, D.C. 20005-3918, telephone number (202) 861-3000 (to whom all communications are to be directed), and the below-named persons (of the same address) individually and collectively my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent, and I hereby authorize them to delete names/numbers below of persons no longer with their firm and to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct the above firm and/or a below attorney in writing to the contrary.

Name	First	Middle Initial	Family Name
Paul N. Kokulis	16773	Edward M. Prince	22429
Raymond F. Lippitt	17519	David W. Brinkman	20817
G. Lloyd Knight	17698	Donald J. Bird	25323
Carl G. Love	18781	Peter W. Gowdey	25872
Edgar H. Martin	20534	Dale S. Lazar	28872
William K. West, Jr.	22057	Paul E. White, Jr.	32011
Kevin E. Joyce	20508	Glenn J. Perry	28458
George M. Sirilla	18221	Kendrew H. Colton	30368
Michelle N. Lester	32331	Jeffrey A. Simenauer	31993
G. Paul Edgell	24238	Lynn E. Eccleston	35861
Timothy J. Klima	34852	David A. Jakopin	32995
Mark G. Paulson	30793	Stephen C. Glazier	31361
Paul F. McQuade	31542	Ruth N. Morduch	31044
Richard H. Zaitlen	27248	Roger R. Wise	31204
Jay M. Finkelstein	21082	Anita M. Kirkpatrick	32617

(1) INVENTOR'S SIGNATURE: James M. Hair III Date: 2/16/99

James	M.	HAIR III
First	Middle Initial	Family Name
Residence	Wyoming	U.S.A.
City	State/Foreign Country	Country of Citizenship
Post Office Address		
(include Zip Code)		

(2) INVENTOR'S SIGNATURE: Kyriakos Spentzos Date: 2/11/99

Kyriakos	P.	SPENTZOS
First	Middle Initial	Family Name
Residence	California	U.S.A.
City	State/Foreign Country	Country of Citizenship
Post Office Address		
(include Zip Code)		

(FOR ADDITIONAL INVENTORS, check box ☐ to attach PAT 116-2 same information for each re signature, name, date, citizenship, residence and address.)

**Rule 56(a) & (b) = 37 C.F.R. 1.56(a) & (b)**  
**PATENT AND TRADEMARK CASES - RULES OF PRACTICE**  
**DUTY OF DISCLOSURE**

- (a) ...Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the [Patent and Trademark] Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability... (b) information is material to patentability when it is not cumulative and (1) It also establishes by itself, or in combination with other information, a prima facie case of unpatentability of a claim or (2) refutes, or is inconsistent with, a position the applicant takes in: (i) Opposing an argument of unpatentability relied on by the Office, or (ii) Asserting an argument of patentability

**PATENT LAWS 35 U.S.C.**

**§102. Conditions for patentability; novelty and loss of right to patent**

A person shall be entitled to a patent unless--

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for patent or
- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of the application for patent in the United States, or
- (c) he has abandoned the invention, or
- (d) the invention was first patented or caused to be patented, or was the subject of an inventor's certificate, by the applicant or his legal representatives or assigns in a foreign country prior to the date of the application for patent in this country on an application for patent or inventor's certificate filed more than twelve months\* before the filing of the application in the United States, or
- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent, or
- (f) he did not himself invent the subject matter sought to be patented, or
- (g) before the applicant's invention thereof the invention was made in this country by another who had not abandoned, suppressed, or concealed it. In determining priority of invention there shall be considered not only the respective dates of conception and reduction to practice of the invention, but also the reasonable diligence of one who was first to conceive and last to reduce to practice, from a time prior to conception by the other.

**§103. Condition for patentability; non-obvious subject matter**

A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made. Subject matter developed by another person, which qualified as prior art only under subsection (f) or (g) of section 102 of this title, shall not preclude patentability under this section where the subject matter and the claimed invention were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person

---

\* Six months for Design Applications (35 U.S.C. 172).

Inventor(s): HAIR et al (Atty. Dkt. 241416/)  
Appln. No.: / or Patent No.:   
Filed:  or Issued.:  M# / Client Ref.  
Title: OPTICAL VEND-SENSING SYSTEM FOR CONTROL OF VENDING MACHINE

SMALL ENTITY STATEMENT CLAIMING SMALL ENTITY STATUS  
(37 CFR 1.9(d) and 1.27 (c)) - **SMALL BUSINESS CONCERN**

I hereby state that I am

- ☒ the owner of the small business concern identified below:  
☒ an official of the small business concern empowered to act on behalf of the concern identified below:  
NAME OF CONCERN AUTOMATED MECHANISING SYSTEMS INC.  
ADDRESS OF CONCERN 109 W. Burr Boulevard, Kearneysville, West Virginia 25430

**I hereby state** that the above identified small business concern qualifies as a small business concern as defined in 13 CFR 121.12, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees under Section 41(a) and (b) of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

**I hereby state** that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention **entitled:** OPTICAL VEND-SENSING SYSTEM FOR CONTROL OF VENDING MACHINE

**by inventor(s)** James M. Hair, III and Kyriakos P. Spentzos described in

- ☒ the specification filed herewith,  
☐ Application No. 0 / , filed  
☐ Patent No. , issued

If the rights held by the above identified small business concern are not exclusive, each small entity individual, concern or organization having rights to the invention is listed in (A) and (B) below and no rights to the invention are held by any person, other than the inventor, who could not qualify under 37 CFR 1.9(c) as an independent inventor if that person had made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

- (A) FULL NAME of assignee/licensee/grantee/conveyee\*  
ADDRESS  
☒ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION
- (B) FULL NAME of assignee/licensee/grantee/conveyee\*  
ADDRESS  
☒ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

\*NOTE: Separate statement is required from each person, concern or organization named in (A) and (B) above having rights to the invention, averring to his/her/its status as a small entity. (37 CFR 1.27)

I acknowledge the duty to file, in this case, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

NAME OF PERSON SIGNING  
TITLE OF PERSON OTHER THAN OWNER  
ADDRESS OF PERSON SIGNING c/o Automated Merchandising Systems Inc.  
109 West Burr Boulevard, Kearneysville, West Virginia 25430

SIGNATURE *James M. Hair, III* DATE *Feb 19, 1999*  
*V.P. Engineering*

### SMALL ENTITY

The U.S. Patent and Trademark Office (for patents and designs, but not on the Trademark Office side for trademarks) has two levels of official fees for most situations where an official fee is due. All applicants must pay the fees at the higher level unless, as to the specific application in question (or its parent, if the specific application is a continuation or division of an earlier, copending application), the owner (or every owner, in the case of an application jointly owned by more than one owner) is a "small entity" and has actually filed a respective small entity declaration, in which case, the fees are due at the lower level.

If the applicant or assignee, which now owns this application, is a non-profit organization such as a university (regardless of size), or a company, for-profit organization or a person which has fewer than 500 employees and has neither assigned nor agreed to assign or license rights in this application to any other company, for-profit organization or person which has 500 or more employees, then the owner of the rights in the application (or each owner where there is more than one) may make and file in the USPTO a small entity declaration, and so obtain the right to thereafter pay most government fees in the application at a half-price level.

If an inventor has assigned all his rights to a U.S. patent application, he or she is no longer an owner (regardless of whether the assignment has been recorded or filed for recordation in the USPTO) and, therefore, such a person's small entity declaration would be meaningless surplus. One could be filed, but the only important one (or ones) would be the one or those signed by owners of rights in the U.S. patent application.

In short, it is never 'necessary' to file any small entity declaration; filing (a) small entity declaration(s) is an option to the owner(s) of the U.S. patent application for the purpose of gaining the right to pay fees at the lower-price level, and a small entity declaration from an inventor is only useful for that purpose when the inventor is a co-owner of rights in the U.S. patent application.

Where no small entity declaration has been filed, or an incomplete set of such declarations has been filed by the time a fee is due, the fee must be paid at the higher level. However, if the small entity declaration, or the balance of a set of such declarations is filed within 2 months of when the higher level fee was paid, a refund of the excess recently paid may be requested, and, thereafter, fee payments may be made at the lower level, so long as the or each owner remains a small entity.

If it seems that it may be appropriate to submit one or more small entity declarations in this application, please let us know about ownership of the rights and we will send you the appropriate form or forms.

When through growth, assignment or licensing, an owner of rights in the U.S. patent application, or in the patent growing out of it is not a small entity, then a paper must be filed relinquishing the small entity status. Substantial penalties are provided in the law (including potential unenforceability of the patent) for submitting or continuing to take advantage of a small entity declaration when the application owner is not actually a small entity, so an inappropriate one should not be filed, and if one that was appropriate when it was filed, becomes inappropriate, we should be promptly advised of that fact so it can be withdrawn.